



THW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of:) Docket No.: 4276-103
Applicants: GAO, Zhiqiang, et al.) Conf. No.: 8043
Application No.: 10/577,293) Art Unit: 1753
Date Filed: April 29, 2006) Examiner: Not Yet Assigned
Title: METHOD FOR DETECTING) Customer No.:
ANALYTES BY MEANS OF)
AN ANALYTE/POLYMERIC)
ACTIVATOR BILAYER)
ARRANGEMENT)
23448

FIRST CLASS MAIL CERTIFICATE

I hereby certify that I am mailing the attached documents to the
Commissioner for Patents on the date specified, in an envelope
addressed to Mail Stop Amendment, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313, First Class Mailed under
the provisions of 37 CFR 1.8.


Kate Pope

August 15, 2007

Date of Mailing

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN
U.S. PATENT APPLICATION NO. 10/577,293

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached Form(s) PTO/SB/08a and/or PTO/SB/08b. One copy of each foreign patent and each non-patent publication cited is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that

the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,



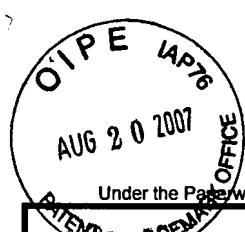
Steven J. Hultquist
Reg. No. 28,021
Attorney for Applicants

**INTELLECTUAL PROPERTY/
TECHNOLOGY LAW**
Phone: (919) 419-9350
Fax: (919) 419-9354
Attorney File No.: 4276-103

Enclosures:

**IDS Form(s) [2 pg(s).]
Foreign Patent References [64 pgs.]
Non-Patent References [12 pgs.]**

<p>The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284</p>



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08a (04-07)

Approved for use through 09/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/577,293
Filing Date	4/29/2006
First Named Inventor	Gao et al.
Art Unit	1753
Examiner Name	

Sheet

1

f

2

Attorney Docket Number 4276-103

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **¹Applicant's unique citation designation number (optional).** **²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.** **³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).** **⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.** **⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.** **⁶Applicant is to place a check mark here if English language Translation is attached.**

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449B/PTO</p> <p>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				<p>Complete if Known</p> <table border="1"> <tr> <td><i>Application Number</i></td> <td>10/577,293</td> </tr> <tr> <td><i>Filing Date</i></td> <td>4/29/2006</td> </tr> <tr> <td><i>First Named Inventor</i></td> <td>Gao et al.</td> </tr> <tr> <td><i>Art Unit</i></td> <td>1753</td> </tr> <tr> <td><i>Examiner Name</i></td> <td></td> </tr> <tr> <td><i>Attorney Docket Number</i></td> <td>4276-103</td> </tr> </table>		<i>Application Number</i>	10/577,293	<i>Filing Date</i>	4/29/2006	<i>First Named Inventor</i>	Gao et al.	<i>Art Unit</i>	1753	<i>Examiner Name</i>		<i>Attorney Docket Number</i>	4276-103
<i>Application Number</i>	10/577,293																
<i>Filing Date</i>	4/29/2006																
<i>First Named Inventor</i>	Gao et al.																
<i>Art Unit</i>	1753																
<i>Examiner Name</i>																	
<i>Attorney Docket Number</i>	4276-103																
Sheet	2	of	2														

NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1Applicant's unique citation designation number (optional). **2**Applicant is to place a check mark here if English language Translation is attached.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.